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J. & A. DEY.

CARD FRAME FOR TIME RECORDERS.

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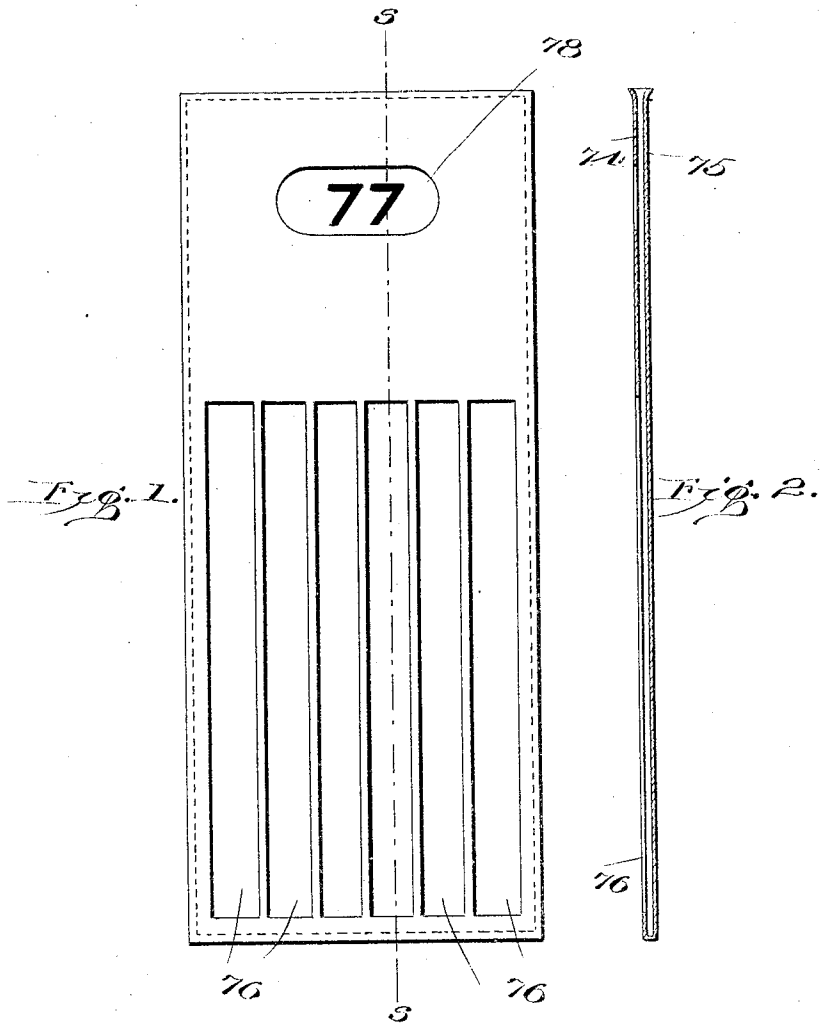


Fig. 1.

Fig. 2.

WITNESSES:

Allan Goose.

H. M. Seamans.

INVENTORS

John Dey

Alexander Dey

BY

Duell Mayna & Warfield

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN DEY, OF SYRACUSE, NEW YORK, AND ALEXANDER DEY, OF GLASGOW, SCOTLAND.

CARD-FRAME FOR TIME-RECORDERS.

No. 804,934. Specification of Letters Patent. Patented Nov. 21, 1905.

Application filed July 14, 1903. Serial No. 165,519.

To all whom it may concern:

Be it known that we, JOHN DEY, residing at Syracuse, in the county of Onondaga and State of New York, and ALEXANDER DEY, residing at Glasgow, in the county of Lanark, Scotland, have invented certain new and useful Improvements in Card-Frames for Time-Recorders, &c., of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a card-frame for time-recorders, &c.; and its object is to provide a frame or shield for holding record-cards when they are to be used in connection with time-recorders and similar machines such that the act of registration may be facilitated and the cards preserved and kept clean.

The invention consists in the frame which will be hereinafter described, and the novel features thereof pointed out in the claims.

In the drawings, Figure 1 is a face view. Fig. 2 is a longitudinal section view on line *s s* of a frame constructed in accordance with our invention.

The frame or holder comprises a front plate 74 and a back plate 75, joined along their longitudinal sides and one end, so that the card, which is of substantially the size of the space between the two plates, may be inserted therebetween and securely held. The construction shown is an integral one and might be formed by stamping or by flattening a tube closed at one end. Obviously, however, the two parts could be attached together in any desired manner and spaced apart to the distance required in various ways, whether by the use of an end plate and side plates, which should entirely close the sides and one end of the frame, or by the use of filling-blocks, which might connect the plates, space them apart, and prevent the card falling out without providing a connection between the plates at all points. In the face of one of the plates or one side of the frame there are provided a series of longitudinal slots 76, which correspond to the longitudinal columns upon the record-card and expose such longitudinal columns to the action of the printing mechanism when the card is inserted in the frame and the frame inserted in printing position with relation to the recorder. While these slots 76 are shown as open throughout their length, it will be obvious that the same result might be achieved by the use of longitudinal slots having bars or strips thereacross in such position as not to interfere with the contact between the card and the impression mechanism at the desired points. Accordingly, by the use of the term "longitudinal slot" in the claims it is intended to mean a slot corresponding to the column upon the record-card and which exposes so much of such column as is necessary in order that the data may be properly imprinted thereon. It should be understood also that the term "longitudinal" applies to a slot so extended as to expose various data-spaces arranged in a column and does not carry any distinction as to the arrangement of the column crosswise or lengthwise of the card.

An additional slot 78 is provided at one end of the frame, through which the number of the card carried by the frame, as the number 77 shown or any other desired data, may be exposed.

It will thus be seen that we provide a frame adapted to hold a card such that it is prevented from buckling, kept clean, may be conveniently handled, prevents the printing mechanism striking the card save along the intended column, and serves as an immediate alarm or indicator should the printing mechanism get out of order and record elsewhere than at the proper place.

Further advantages of such a frame or holder will be obvious to those acquainted with the art and need not be elaborated.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. As an article of manufacture a frame or holder for time-recorder cards and the like, having on one face thereof longitudinal slots to correspond with the printing-columns of the card, said frame and card being adapted to be used in conjunction with a time-recording machine.

2. As an article of manufacture a frame or holder for time-recorder cards and the like, having in one face thereof longitudinal slots to correspond with the longitudinal printing-columns of the card and an additional slot to correspond with the position of the workman's number on the card, said frame and card

being adapted to be used in connection with a time-recording machine to receive an impression.

3. As an article of manufacture a frame or holder adapted to receive time-recorder cards having insignia representing a workman and longitudinal printing-columns thereon, said frame having in one face thereof rectangular longitudinal slots to correspond with the printing-columns of said card, and an additional slot to correspond with the position, and disclose the character, of the workman's insignia on the card, said frame and card being adapted to be used in connection with a workman's time-recorder to receive an impression.

4. As an article of manufacture, a frame for time-recorder cards and the like adapted to be used in connection with a time-recording machine for the purpose of receiving an impression, said frame having in one face thereof slots to correspond with data-spaces on the card.

5. As an article of manufacture, a frame for time-recorder cards and the like adapted to be used in connection with a time-recording machine for the purpose of receiving an impression, said frame having in one face thereof longitudinal slots to correspond with printing-columns on the card.

6. As an article of manufacture, a frame adapted to receive time-recorder cards, said frame having longitudinal slots therein to correspond with longitudinal printing-columns upon the card, the material at the sides of said slots being adapted to indicate a lack of precision in the operation of the time-recording mechanism in conjunction with which said frame and card are adapted to be used.

7. As an article of manufacture, a frame adapted to receive time-recorder cards, said frame having longitudinal slots therein to correspond with longitudinal printing-columns on the card, the material at the sides of said slots being adapted to produce an indication upon the card of inaccuracy of impression made by the operation of the time-recording mechanism in conjunction with which said frame and card are adapted to be used.

8. As an article of manufacture, a frame adapted to receive time-recorder cards, said frame having longitudinal slots therein to correspond with longitudinal printing-columns upon the card and an additional slot to correspond with the position of the workman's number thereon, the material at the sides of said slots being adapted to indicate a lack of precision in the operation of the time-recording mechanism in conjunction with which said frame and card are adapted to be used.

9. As an article of manufacture, a frame or holder for use in a time-recording machine, said frame being adapted to receive time-recorder cards and having in one face thereof longitudinal slots to correspond with printing-columns on the card, the material between said slots being adapted to produce an indication upon said card of an inaccuracy of action of the printing mechanism of said time-recording machines, the other face of said frame being adapted to act as a support for said card when receiving an impression.

10. As an article of manufacture, a frame or holder for use in a time-recording machine, said frame being adapted to receive time-recorder cards and the like and having in one face thereof slots adapted to correspond with data-spaces on the card, the other face of said frame being adapted to act as a rigid support for said card when receiving an impression.

In testimony whereof we affix our signatures in the presence of two witnesses.

JOHN DEY.
ALEXANDER DEY.

Witnesses:
MILLIE HILDE,
B. E. SNYDER.